



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 10561235
SAU: Ellsworth School Department
School: Ellsworth Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9
Science and Technology Results	10-12

SUMMARY OF SCORES

Test Date: March 2008

Grade: 8

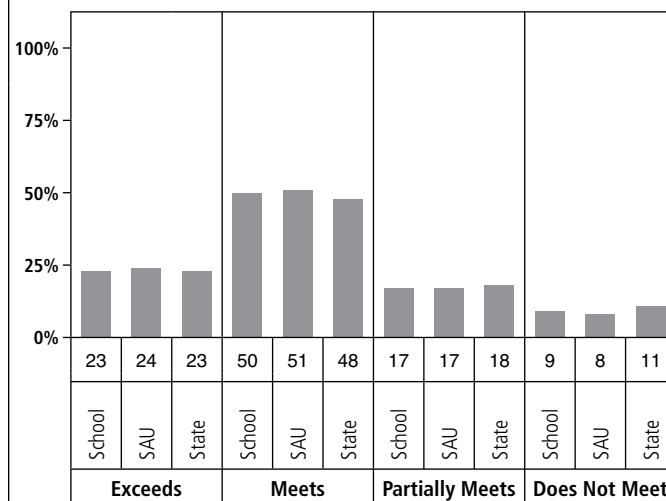
SAU: Ellsworth School Department

School: Ellsworth Middle School

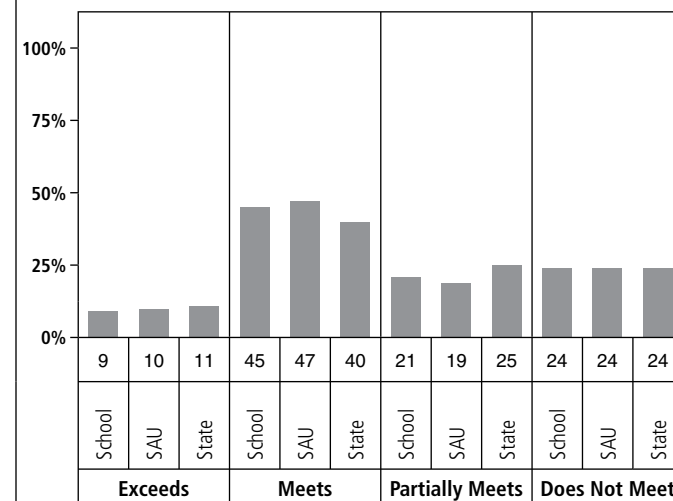
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	850	850	845
2006–2007	853	851	847
2007–2008	851	851	849
Cum. Avg. *	851	851	847
Mathematics			
2005–2006	841	840	840
2006–2007	848	846	842
2007–2008	841	842	841
Cum. Avg. *	843	843	841
Science & Technology			
2005–2006	851	851	846
2006–2007	851	849	847
2007–2008	848	848	847
Cum. Avg. *	850	849	847

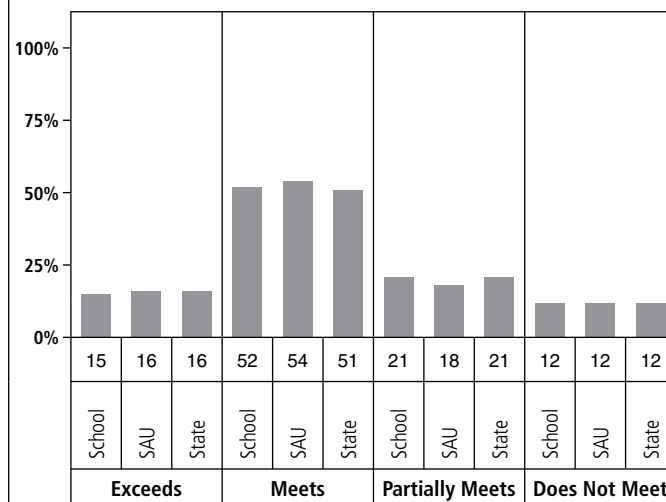
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: Ellsworth School Department
 School: Ellsworth Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	92	100	88	100	15274	100	90	98	86	98	15102	99	90	98	86	98	15097	99	90	98	86	98	15080	99						
Ethnicity African American/Black	5	5	4	5	368	2	4	80	3	75	356	97	4	80	3	75	360	98	4	80	3	75	356	97						
American Indian or Native Alaskan	1	1	1	1	120	1	1	100	1	100	117	98	1	100	1	100	117	98	1	100	1	100	117	98						
Asian or Pacific Islander	1	1	1	1	186	1	1	100	1	100	181	97	1	100	1	100	182	98	1	100	1	100	182	98						
Hispanic	0	0	0	0	139	1	0	0	0	0	136	98	0	0	0	0	136	98	0	0	0	0	136	98						
Caucasian/White	85	92	82	93	14461	95	84	99	81	99	14312	99	84	99	81	99	14302	99	84	99	81	99	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	20	22	17	19	2508	16	20	100	17	100	2446	98	20	100	17	100	2441	98	20	100	17	100	2431	98						
Current LEP	4	4	4	5	327	2	3	75	3	75	316	97	3	75	3	75	322	99	3	75	3	75	322	99						
Economically disadvantaged	39	42	36	41	5420	35	39	100	36	100	5329	99	39	100	36	100	5324	99	39	100	36	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	69	75	68	77	12703	83	69	75	68	77	12694	83	69	75	68	77	12710	83						
Identified disability (PET/IEP)	1	1	1	1	437	3	1	1	1	1	421	3	1	1	1	1	445	4						
LEP	2	3	2	3	172	1	2	3	2	3	172	1	2	3	2	3	173	1						
504 plan	0	0	0	0	229	2	0	0	0	0	231	2	0	0	0	0	230	2						
Participation with accommodations	17	18	15	17	2221	15	17	18	15	17	2227	15	17	18	15	17	2197	14						
Identified disability (PET/IEP)	15	88	13	87	1832	82	15	88	13	87	1844	83	15	88	13	87	1813	83						
LEP	1	6	1	7	136	6	1	6	1	7	143	6	1	6	1	7	142	6						
504 plan	2	12	2	13	68	3	2	12	2	13	66	3	2	12	2	13	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	4	4	3	3	177	1	4	4	3	3	176	1	4	4	3	3	173	1						
Identified disability (PET/IEP)	4	100	3	100	177	100	4	100	3	100	176	100	4	100	3	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	2	2	2	2	140	1	2	2	2	2	143	1	2	2	2	2	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Ellsworth School Department
School:	Ellsworth Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	18	23	18	23	2695	17
	2006-2007	16	18	16	18	2407	16
	2007-2008	20	23	20	24	3428	23
	Cum. Total*	54	22	54	21	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	33	43	33	42	6830	42
	2006-2007	55	63	53	58	7494	49
	2007-2008	43	50	42	51	7179	48
	Cum. Total*	131	52	128	51	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	20	26	20	26	3741	23
	2006-2007	15	17	17	19	3628	24
	2007-2008	15	17	14	17	2706	18
	Cum. Total*	50	20	51	20	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	6	8	7	9	3003	18
	2006-2007	2	2	5	5	1810	12
	2007-2008	8	9	7	8	1611	11
	Cum. Total*	16	6	19	8	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	37.7	67.3	38.0	67.9	36.9	65.9
Literary Text	28	50	19.0	67.9	19.1	68.2	18.3	65.4
Informational Text	28	50	18.7	66.8	18.9	67.5	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Ellsworth School Department
 School: Ellsworth Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	86	20	23	43	50	15	17	8	9	851	83	24	51	17	8	851	14924	23	48	18	11	849
Ethnicity																						
African American/Black	4										3						348	11	38	22	29	840
American Indian or Native Alaskan	1										1						117	9	43	29	19	842
Asian or Pacific Islander	1										1						179	32	39	18	11	852
Hispanic	0										0						131	18	38	27	17	846
Caucasian/White	80	20	25	41	51	14	18	5	6	852	78	26	51	18	5	852	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	16	0	0	6	38	5	31	5	31	836	14	0	43	29	29	837	2269	3	24	32	42	833
No	70	20	29	37	53	10	14	3	4	854	69	29	52	14	4	854	12655	27	52	16	5	852
Current LEP																						
Yes	3										3						308	8	30	27	34	837
No	83	20	24	42	51	15	18	6	7	851	80	25	51	18	6	852	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	36	2	6	17	47	11	31	6	17	843	34	6	47	32	15	843	5222	12	44	25	19	843
No	50	18	36	26	52	4	8	2	4	856	49	37	53	6	4	857	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	86	20	23	43	50	15	17	8	9	851	83	24	51	17	8	851	14917	23	48	18	11	849
Gender																						
Female	39	13	33	18	46	4	10	4	10	854	38	34	45	11	11	854	7198	30	48	15	7	853
Male	47	7	15	25	53	11	23	4	9	848	45	16	56	22	7	849	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	86	20	23	43	50	15	17	8	9	851	83	24	51	17	8	851	14117	24	49	17	10	850
Gifted/talented program																						
Yes	3										3						592	71	28	1	0	867
No	83	18	22	42	51	15	18	8	10	850	80	23	51	18	9	850	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	0	0	5	83	0	0	1	17	847	7	0	83	0	17	847	9	10	39	24	26	841
B. less than one hour	66	15	27	25	45	11	20	5	9	851	66	28	46	19	7	852	46	20	50	20	11	849
C. one to two hours	25	4	19	13	62	3	14	1	5	850	24	20	60	15	5	851	41	28	49	15	7	852
D. more than two hours	2	1	50	0	0	0	0	1	50	850	2	50	0	0	50	850	5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	45	10	26	17	45	8	21	3	8	852	45	27	46	19	8	852	33	31	48	14	7	853
B. They match some of what I have learned.	41	9	26	18	51	6	17	2	6	850	41	26	50	18	6	850	53	21	51	19	9	849
C. They match just a little of what I have learned.	12	1	10	7	70	0	0	2	20	850	11	11	78	0	11	853	11	14	41	25	20	844
D. There is no match.	2	0	0	1	50	0	0	1	50	841	2	0	50	0	50	841	3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	24	12	60	5	25	3	15	0	0	862	24	60	25	15	0	862	31	42	44	8	6	857
B. good	59	8	16	28	56	8	16	6	12	848	57	17	57	15	11	849	49	19	54	19	9	849
C. fair	18	0	0	10	67	3	20	2	13	844	18	0	67	20	13	844	18	5	42	31	22	840
D. poor	0										0						2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	16	2	14	7	50	5	36	0	0	846	17	14	50	36	0	846	15	16	44	22	18	845
B. about the same as my regular schoolwork	69	14	24	31	53	6	10	8	14	851	68	25	54	9	13	852	65	23	49	18	9	850
C. easier than my regular schoolwork	14	4	33	5	42	3	25	0	0	855	15	33	42	25	0	855	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	6	0	0	2	40	2	40	1	20	838	5	0	50	25	25	838	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	62	7	13	31	60	8	15	6	12	848	62	14	60	16	10	848	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	32	13	48	10	37	3	11	1	4	859	33	48	37	11	4	859	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	51	8	19	24	57	9	21	1	2	851	51	20	56	22	2	851	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	45	11	30	16	43	4	11	6	16	851	44	31	46	9	14	852	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	5	1	25	2	50	0	0	1	25	851	5	25	50	0	25	851	6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	20	5	29	8	47	2	12	2	12	854	21	29	47	12	12	854	18	31	47	13	9	852
B. 20 minutes to an hour	34	7	24	14	48	5	17	3	10	850	34	25	50	18	7	851	41	28	49	15	7	852
C. less than 20 minutes	14	1	8	7	58	3	25	1	8	848	12	10	60	20	10	849	13	20	49	18	12	848
D. I rarely read at home.	32	7	26	14	52	4	15	2	7	851	33	26	52	15	7	851	28	12	47	26	16	844
How do you feel about the following statement? <i>"My knowledge of reading will be useful to me as an adult."</i>																						
A. strongly agree	52	10	23	24	55	6	14	4	9	853	51	24	55	12	10	854	43	31	48	14	7	853
B. agree	45	10	26	16	42	8	21	4	11	848	45	27	43	22	8	849	48	18	50	20	12	848
C. disagree	2	0	0	2	100	0	0	0	0	852	2	0	100	0	0	852	6	11	43	24	21	843
D. strongly disagree	1	0	0	1	100	0	0	0	0	852	1	0	100	0	0	852	2	6	36	32	26	839
Optional school/SAU question																						
A.	25	0	0	1	100	0	0	0	0	848	25	0	100	0	0	848						
B.	50	0	0	2	100	0	0	0	0	847	50	0	100	0	0	847						
C.	0										0											
D.	25	0	0	0	0	1	100	0	0	834	25	0	0	100	0	834						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	6	8	6	8	1714	11
	2006-2007	15	17	14	15	1952	13
	2007-2008	8	9	8	10	1657	11
	Cum. Total*	29	12	28	11	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	29	38	29	37	5533	34
	2006-2007	43	49	43	47	5870	38
	2007-2008	39	45	39	47	5956	40
	Cum. Total*	111	44	111	44	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	27	35	27	35	4764	29
	2006-2007	21	24	20	22	3982	26
	2007-2008	18	21	16	19	3729	25
	Cum. Total*	66	26	63	25	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	15	19	16	21	4251	26
	2006-2007	9	10	14	15	3534	23
	2007-2008	21	24	20	24	3579	24
	Cum. Total*	45	18	50	20	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	8.4	52.5	8.5	53.1	8.4	52.5
Cluster 2: Shape and Size	14	25	6.2	44.3	6.3	45.0	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	5.1	63.8	5.1	63.8	4.6	57.5
Cluster 4: Patterns	18	32	8.6	47.8	8.7	48.3	8.9	49.4

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lslalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Ellsworth School Department
 School: Ellsworth Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	86	8	9	39	45	18	21	21	24	841	83	10	47	19	24	842	14921	11	40	25	24	841
Ethnicity																						
African American/Black	4										3						352	2	23	23	52	828
American Indian or Native Alaskan	1										1						117	5	22	33	39	832
Asian or Pacific Islander	1										1						181	24	42	20	14	848
Hispanic	0										0						131	7	34	26	33	836
Caucasian/White	80	8	10	38	48	16	20	18	23	843	78	10	49	19	22	843	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	16	0	0	2	13	6	38	8	50	825	14	0	14	29	57	824	2265	1	14	22	62	824
No	70	8	11	37	53	12	17	13	19	845	69	12	54	17	17	845	12656	13	45	26	17	844
Current LEP																						
Yes	3										3						315	5	24	20	51	828
No	83	8	10	38	46	18	22	19	23	842	80	10	48	20	23	843	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	36	2	6	10	28	10	28	14	39	833	34	6	29	26	38	833	5217	5	30	29	37	834
No	50	6	12	29	58	8	16	7	14	848	49	12	59	14	14	848	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	86	8	9	39	45	18	21	21	24	841	83	10	47	19	24	842	14914	11	40	25	24	841
Gender																						
Female	39	5	13	16	41	7	18	11	28	842	38	13	42	18	26	843	7199	11	40	26	23	841
Male	47	3	6	23	49	11	23	10	21	841	45	7	51	20	22	841	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	86	8	9	39	45	18	21	21	24	841	83	10	47	19	24	842	14115	12	41	25	23	842
Gifted/talented program																						
Yes	3										3						592	58	39	2	1	864
No	83	6	7	38	46	18	22	21	25	840	80	8	48	20	25	841	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	0	0	2	33	2	33	2	33	832	7	0	33	33	33	832	9	5	30	23	41	833
B. less than one hour	66	6	11	27	48	11	20	12	21	844	66	11	50	17	22	844	46	10	40	26	25	840
C. one to two hours	25	2	10	9	43	5	24	5	24	839	24	10	45	25	20	839	41	14	42	25	19	843
D. more than two hours	2	0	0	1	50	0	0	1	50	829	2	0	50	0	50	829	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	31	3	12	12	46	4	15	7	27	842	30	12	48	12	28	843	30	17	43	22	18	845
B. They match some of what I have learned.	47	4	10	20	50	8	20	8	20	843	48	10	51	21	18	843	50	10	42	26	22	841
C. They match just a little of what I have learned.	16	1	7	5	36	5	36	3	21	840	16	8	38	31	23	840	17	6	32	29	33	836
D. There is no match.	6	0	0	2	40	1	20	2	40	833	6	0	40	20	40	833	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	28	7	29	10	42	3	13	4	17	849	29	29	42	13	17	849	26	29	46	14	11	851
B. good	44	1	3	23	62	6	16	7	19	844	44	3	64	14	19	844	45	7	46	27	20	841
C. fair	25	0	0	5	24	8	38	8	38	830	23	0	26	37	37	830	23	1	26	34	38	833
D. poor	4	0	0	1	33	1	33	1	33	833	4	0	33	33	33	833	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	32	0	0	10	37	9	33	8	30	835	32	0	38	31	31	835	34	4	35	28	32	836
B. about the same as my regular schoolwork	60	6	12	25	49	8	16	12	24	843	60	12	51	14	22	844	52	10	43	26	21	842
C. easier than my regular schoolwork	8	2	29	4	57	1	14	0	0	854	9	29	57	14	0	854	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	51	4	9	21	49	8	19	10	23	842	52	10	50	19	21	842	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	46	4	10	18	46	9	23	8	21	843	46	11	49	19	22	843	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	2	0	0	0	0	1	50	1	50	819	2	0	0	50	50	819	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	13	0	0	5	45	2	18	4	36	835	13	0	45	18	36	835	9	6	38	27	29	837
B. two or three days a week	65	4	7	32	58	10	18	9	16	844	67	7	58	18	16	844	16	8	38	27	27	839
C. two or three times each month	9	1	13	0	0	5	63	2	25	838	9	14	0	57	29	838	28	12	41	27	21	843
D. never or almost never	13	3	27	2	18	1	9	5	45	841	11	33	22	0	44	843	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	49	5	12	20	48	8	19	9	21	845	50	12	49	20	20	845	38	14	42	23	21	843
B. two or three times a week	39	3	9	18	55	5	15	7	21	842	39	9	56	13	22	842	33	10	41	26	23	841
C. two or three times each month	12	0	0	1	10	5	50	4	40	827	11	0	11	44	44	826	18	10	36	27	27	840
D. never or almost never	0										0						11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	49	5	12	20	48	10	24	7	17	845	50	12	49	24	15	845	54	14	44	23	18	844
B. agree	46	2	5	18	46	7	18	12	31	838	45	5	49	14	32	838	38	8	36	27	28	838
C. disagree	4	1	33	0	0	1	33	1	33	842	4	33	0	33	33	842	6	6	31	28	36	835
D. strongly disagree	1	0	0	1	100	0	0	0	0	850	1	0	100	0	0	850	2	3	23	25	49	831
Optional school/SAU question																						
A.	25	0	0	0	0	1	100	0	0	834	25	0	0	100	0	834						
B.	50	0	0	2	100	0	0	0	0	851	50	0	100	0	0	851						
C.	0										0											
D.	25	0	0	0	0	0	0	1	100	802	25	0	0	0	100	802						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	13	17	13	17	1879	12
	2006-2007	19	22	18	20	2192	14
	2007-2008	13	15	13	16	2371	16
	Cum. Total*	45	18	44	17	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	46	60	46	59	8604	53
	2006-2007	47	53	47	52	7916	52
	2007-2008	45	52	45	54	7630	51
	Cum. Total*	138	55	138	55	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	17	22	17	22	3618	22
	2006-2007	18	20	18	20	3340	22
	2007-2008	18	21	15	18	3175	21
	Cum. Total*	53	21	50	20	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	1	1	2	3	2174	13
	2006-2007	4	5	8	9	1865	12
	2007-2008	10	12	10	12	1731	12
	Cum. Total*	15	6	20	8	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.3	59.3	8.3	59.3	8.1	57.9
Cluster 2: Physical Sciences	14	25	7.7	55.0	7.8	55.7	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	7.4	52.9	7.5	53.6	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.4	60.0	8.5	60.7	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Ellsworth School Department
 School: Ellsworth Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	86	13	15	45	52	18	21	10	12	848	83	16	54	18	12	848	14907	16	51	21	12	847
Ethnicity																						
African American/Black	4										3						349	4	35	26	34	837
American Indian or Native Alaskan	1										1						117	8	40	28	24	840
Asian or Pacific Islander	1										1						181	20	50	15	15	849
Hispanic	0										0						131	5	50	22	23	842
Caucasian/White	80	13	16	44	55	16	20	7	9	849	78	17	56	18	9	849	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	16	0	0	5	31	5	31	6	38	836	14	0	36	21	43	836	2258	3	29	31	37	836
No	70	13	19	40	57	13	19	4	6	850	69	19	58	17	6	851	12649	18	55	20	7	850
Current LEP																						
Yes	3										3						315	4	29	25	42	834
No	83	13	16	44	53	18	22	8	10	848	80	16	55	19	10	849	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	36	3	8	15	42	11	31	7	19	843	34	9	44	26	21	843	5206	8	45	28	20	842
No	50	10	20	30	60	7	14	3	6	852	49	20	61	12	6	852	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	86	13	15	45	52	18	21	10	12	848	83	16	54	18	12	848	14900	16	51	21	12	847
Gender																						
Female	39	7	18	18	46	7	18	7	18	847	38	18	47	16	18	847	7196	14	52	23	12	847
Male	47	6	13	27	57	11	23	3	6	849	45	13	60	20	7	849	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	86	13	15	45	52	18	21	10	12	848	83	16	54	18	12	848	14103	16	52	21	11	848
Gifted/talented program																						
Yes	3										3						592	63	35	1	0	865
No	83	11	13	44	53	18	22	10	12	847	80	14	55	19	13	848	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	7 66 25 2	0 12 1 0	0 21 5 0	3 29 12 1	50 52 57 50	1 11 5 0	17 20 24 0	2 4 3 1	33 7 14 50	838 851 845 837	7 66 24 2	0 22 5 0	50 54 60 50	17 17 20 0	33 7 15 50	838 851 845 837	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science? A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	46 36 15 2	4 7 2 0	10 23 15 0	21 17 6 1	54 55 46 50	8 6 2 1	21 19 15 50	6 1 3 0	15 3 23 0	846 853 844 840	45 37 16 2	11 23 15 0	57 57 46 50	16 17 15 50	16 3 23 0	846 853 844 840	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
Which of the following best describes how you rate yourself as a student in science? A. very good B. good C. fair D. poor	20 67 13 0	7 6 0 0	41 11 0 0	7 33 5 11	41 58 45 50	3 11 3 1	18 19 27 50	0 7 3 0	0 12 27 0	856 847 840 840	20 67 13 0	44 11 0 0	44 60 45 27	13 16 27 27	0 13 27 0	857 847 840 840	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
How difficult was the science part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	18 68 14	1 6 6	7 10 50	8 33 4	53 57 33	2 13 2	13 22 17	4 6 0	27 10 0	843 847 857	18 67 15	7 11 50	53 60 33	13 18 17	27 11 0	843 848 857	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
How hard did you try on the science part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	46 48 6	3 8 2	8 20 40	21 22 2	54 54 40	8 9 0	21 22 0	7 2 1	18 5 20	844 851 851	46 48 6	8 21 40	55 56 40	18 18 0	18 5 20	844 852 851	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
Which courses do you plan to take before you graduate from high school? A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	19 16 36 28	2 1 7 3	13 7 23 13	11 10 13 11	69 71 42 46	2 2 6 7	13 14 19 29	1 1 5 3	6 7 16 13	851 849 848 846	18 17 38 27	13 7 23 14	73 71 42 50	7 14 19 23	7 7 16 14	852 849 848 847	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
How do you feel about the following statement? <i>“My knowledge of science and technology will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	26 54 18 2	5 6 2 0	23 13 13 0	10 24 9 2	45 52 60 100	4 11 2 0	18 24 13 0	3 5 2 0	14 11 13 0	849 848 847 846	26 54 18 2	24 14 13 0	48 55 60 100	14 20 13 0	14 11 13 0	850 848 847 846	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
How well does the following statement reflect your future goals? <i>“I am interested in a career related to science, technology, engineering, or mathematics.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	29 33 26 12	5 3 5 0	20 11 23 0	12 15 11 7	48 54 50 70	5 6 5 1	20 21 23 10	3 4 1 2	12 14 5 20	849 847 851 844	29 32 27 12	21 12 23 0	50 58 50 70	17 15 23 10	13 15 5 20	849 848 851 844	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
Optional school/SAU question A. B. C. D.	25 50 0 25	0 0 0 0	0 0 0 0	0 2 0 0	0 100 0 0	0 0 0 1	0 0 0 100	1 0 0 0	100 0 0 0	828 852 0 834	25 50 0 25	0 0 0 0	0 100 0 0	0 0 0 100	100 0 0 0	828 852 0 834						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number